

## **California Weather-Hydro Conditions during November 2009**

As of November 30, 2009, statewide hydrologic conditions were as follows: precipitation, 75 percent of average to date; runoff, 70 percent of average to date; and reservoir storage, 75 percent of average for the date. Sacramento River unimpaired runoff observed through November 30, 2009 was about 0.9 million acre-feet (MAF), which is about 66 percent of average. (On November 30, 2008, the observed Sacramento River unimpaired runoff through that date was also about 0.9 MAF, or about 66 percent of average.)

On November 30, the Northern Sierra 8-Station Precipitation Index Water Year total was 6.9 inches, about 74 percent of the seasonal average to date and about 14 percent of an average water year (50 inches). Last year on November 30, the seasonal total to date was 8.6 inches, about 92 percent of the seasonal average to date.

In general, November was dry and mild across California. The Northern Sierra 8-Station Index had just 2.2 inches of precipitation, about 35 percent of normal. Temperatures were near average for most of the State.

Selected Cities Precipitation Accumulation as of 11/30/2009 (National Weather Service Water Year: July through June)					
City	Jul 1 to Date 2009 - 2009 (in inches)	% Avg	Jul 1 to Date 2008 - 2008 (in inches)	% Avg	% Avg "Water Year" Jul 1 to Jun 30 2009 - 2010
Eureka	7.21	76	5.52	58	19
Redding	2.78	40	4.13	59	8
Sacramento	3.64	103	3.22	91	20
San Francisco	3.43	90	2.26	59	17
Fresno	1.60	79	1.61	79	14
Bakersfield	0.19	17	1.06	95	3
Los Angeles	1.31	68	1.50	78	10
San Diego	0.12	7	2.67	145	1

Key Reservoir Storage (1,000 AF) as of 11/30/2009								
Reservoir	River	Storage	Avg Storage	% Average	Capacity	% Capacity	Flood Control Encroachment	Total Space Available
Trinity Lake	Trinity	900	1,614	56	2,448	37	---	1,548
Shasta Lake	Sacramento	1,674	2,777	60	4,552	37	-1,578	2,878
Lake Oroville	Feather	1,137	2,192	52	3,538	32	-2,026	2,401
New Bullards Bar Res	Yuba	554	523	106	966	57	-242	412
Folsom Lake	American	284	467	61	977	29	-293	693
New Melones Res	Stanislaus	1,116	1,318	85	2,420	46	-854	1,304
Don Pedro Res	Tuolumne	1,407	1,311	107	2,030	69	-283	623
Lake McClure	Merced	403	449	90	1,025	39	-271	622
Millerton Lake	San Joaquin	190	218	87	520	37	-238	330
Pine Flat Res	Kings	285	376	76	1,000	28	-347	715
Isabella	Kern	102	150	68	568	18	-68	466
San Luis Res	(Offstream)	605	1,247	49	2,039	30	---	1,434

The latest National Weather Service Climate Prediction Center (CPC) long-range weather outlook for December 2009, issued November 30, 2009, forecasts above average precipitation for almost all of California. Average precipitation is expected for the extreme southeastern portion of the State.